

GENERAL NOTES:

IN GENERAL, WORK SHALL INCLUDE, BUT NOT BE LIMITED TO:

- 1) THE DETAILED DESIGN, FABRICATION, PROCUREMENT, AND INSTALLATION OF THE FIRE PROTECTION SYSTEMS ADDITIONS AND MODIFICATIONS AS INDICATED ON THE CONTRACT DRAWINGS. THE FIRE PROTECTION SYSTEM MODIFICATIONS CONSIST OF THE ADDITION OF FIRE CALL BOXES AND OCCUPANT NOTIFICATION APPLIANCES IN ROOMS 119 AND 103 OF BUILDING 78.
- 2) INSTALLATION OF NEW CONDUIT, RACEWAY SYSTEM MODIFICATIONS AND RACEWAYS FOR THE FIRE ALARM SYSTEM MODIFICATIONS.
- 3) ALL PENETRATIONS THROUGH WALLS, FLOORS AND CEILINGS NECESSARY FOR THE INSTALLATION OF THE FIRE PROTECTION SYSTEMS INCLUDING THE INSTALLATION OF APPROVED FIRESTOP ASSEMBLIES NECESSARY TO MAINTAIN THE DESIGNED FIRE RESISTANCE RATING OF THE WALL, CEILING, OR FLOOR ASSEMBLY.
- 4) DELETIONS, MODIFICATIONS, AND ADDITIONS TO THE EXISTING FIRE ALARM SYSTEM AS INDICATED.
- 5) SYSTEMS AND DEVICE TESTING.
- 6) THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND IMPLEMENTING ALL SAFETY PROGRAMS AND PROCEDURES FOR THIS PROJECT AND SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL SAFETY AND HEALTH REGULATIONS.
- 7) THE CONTRACT DRAWINGS ARE DIAGRAMMATIC ONLY. SUBCONTRACTOR SHALL DETERMINE THE ACTUAL MEASUREMENTS AND MAKE ANY AND ALL SUCH LENGTH AND OFFSET ADJUSTMENTS AND FIRE ALARM CONTROL UNIT PROGRAMMING AS MAY BE NECESSARY TO COMPLETE THE INSTALLATION AT NO CHANGE IN THE CONTRACT PRICE. THE DRAWINGS ARE NOT INTENDED TO RELIEVE THE SUBCONTRACTOR OF ANY RESPONSIBILITY FOR AVOIDING CONFLICTS OR OBSTRUCTIONS, OR FOR INSTALLING THE FIRE ALARM DEVICES AND EQUIPMENT AS REQUIRED TO PROVIDE COMPLETE PROTECTION OF THE DESIGNATED AREAS IN ACCORDANCE WITH THE REQUIREMENTS OF THE REFERENCED STANDARDS AND THE SPECIFICATIONS. WRITTEN APPROVAL SHALL BE OBTAINED FROM THE OWNER'S REPRESENTATIVE PRIOR TO MAKING ANY MAJOR DEVIATIONS FROM THE ARRANGEMENT AND LAYOUT SHOWN ON THE DRAWINGS.
- 8) ALL EQUIPMENT SHALL BE NEW, AND APPROVED AND/OR LISTED BY UNDERWRITERS' LABORATORIES OR FACTORY MUTUAL.
- 9) SYSTEM, EQUIPMENT, INSTALLATION, AND MATERIALS AND METHODS USED SHALL COMPLY WITH THE FOLLOWING:

A) THE REQUIREMENTS OF THE LAWRENCE BERKELEY NATIONAL LABORATORY.

B) NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 72 NATIONAL FIRE ALARM CODE, CURRENT EDITION.

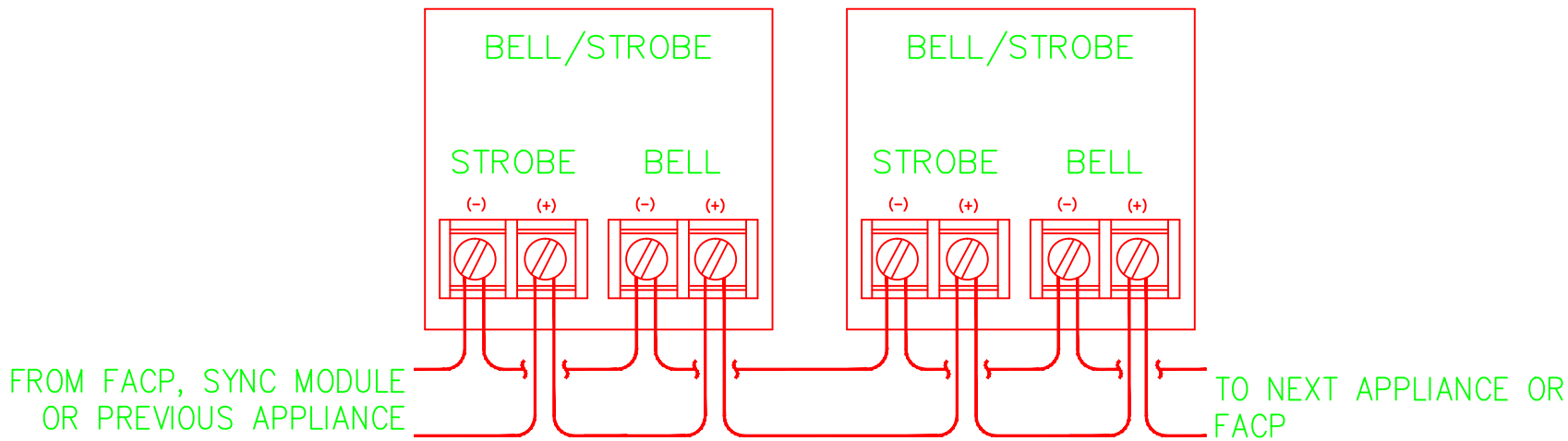
C) CALIFORNIA BUILDING AND FIRE CODES, 2007 EDITIONS.

D) MANUFACTURER'S RECOMMENDATIONS AND GUIDELINES.

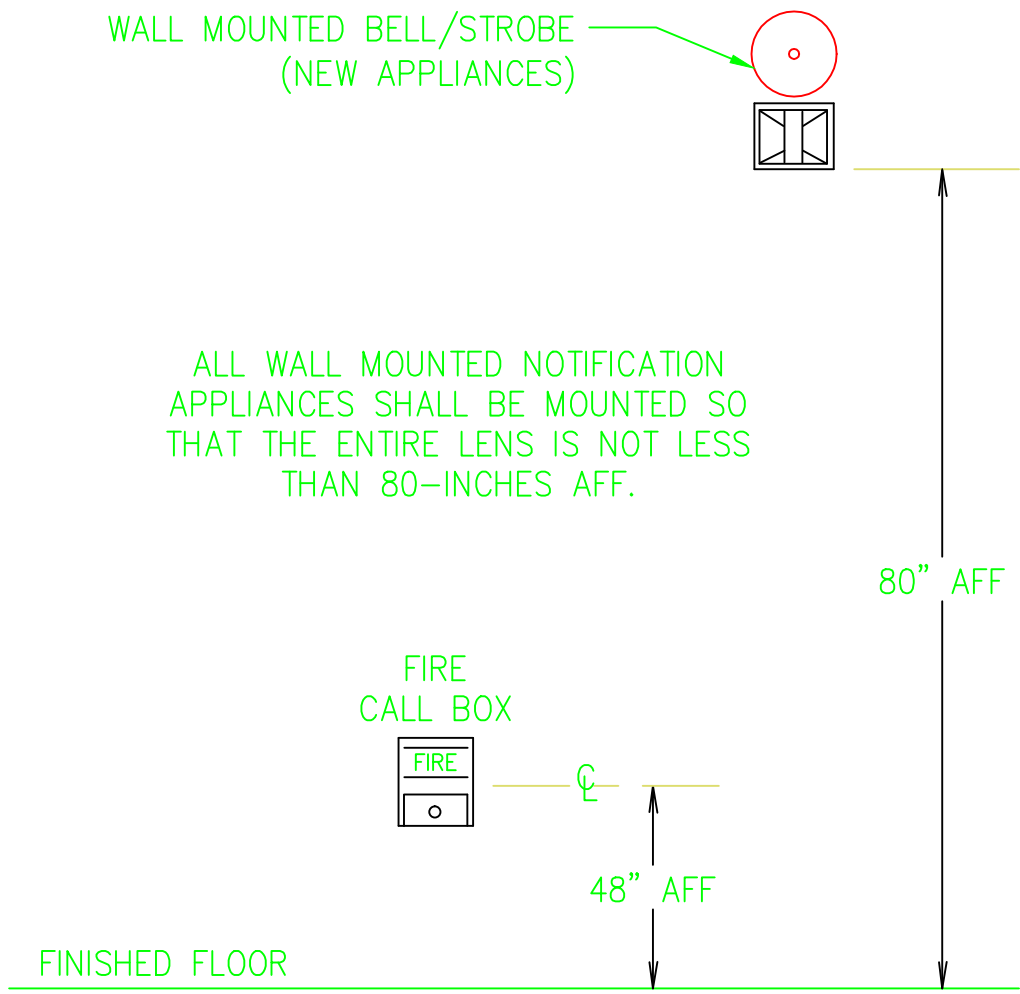
SEQUENCE OF OPERATIONS

SYSTEM EVENT	RESPONSE					
	ANNUNCIATE EVENT AT FACP	OPERATE BLDG 78 NOTIFICATION APPLIANCES	OPERATE BLDG 78 NOTIFICATION APPLIANCES	FIRE SIGNAL TO LBNL RECEIVER	TROUBLE SIGNAL TO LBNL RECEIVER	SUPERVISORY SIGNAL TO LBNL RECEIVER
BUILDING 78 FIRE CALL BOX	●	●	●	●		
BUILDING 78 WATERFLOW SWITCH	●	●	●	●		
BUILDING 76 FIRE CALL BOX	●	●	●			
BUILDING 76 HEAT DETECTOR	●	●	●	●		
BUILDING 76 SMOKE DETECTOR	●	●	●	●		
BUILDING 76 WATERFLOW SWITCH	●	●	●	●		
BUILDING 78 VALVE SUPERVISION	●					●
BUILDING 76 VALVE SUPERVISION	●					●
FACP SUPERVISION	●					●
FACP TROUBLE	●			●		

NOTE:
THE SEQUENCE OF OPERATIONS ABOVE PRIMARILY ADDRESSES ACTIONS AS A RESULT OF THIS PROJECT ONLY (E.G. NOT ALL BUILDING FIRE ALARM FUNCTIONS ARE SHOWN).

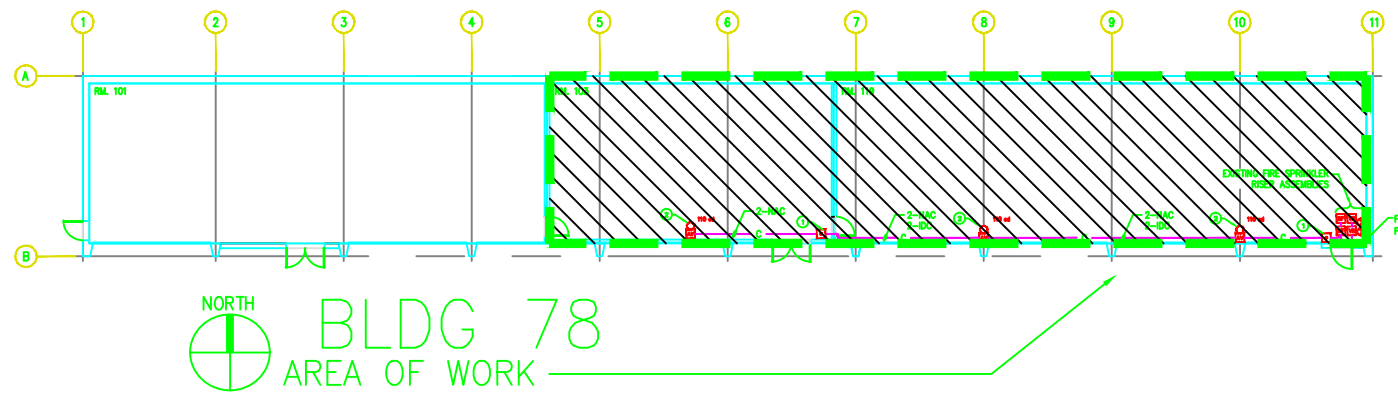


1 TYPICAL NOTIFICATION APPLIANCE DETAIL
FA01 SCALE: NONE



2 TYPICAL DEVICE/APPLIANCE DETAIL
FA01 SCALE: NONE

KEYPLAN-BUILDING 78



LEGEND

- FACP EXISTING FIRE ALARM CONTROL PANEL
- WF WATERFLOW SWITCH (E)
- VS VALVE POSITION SUPERVISORY SWITCH (E)
- B NEW BELL/STROBE
- RJB RACEWAY JUNCTION BOX
- EXISTING FIRE ALARM CONDUIT
- C NEW 1/2 INCH FIRE ALARM CONDUIT
- 2-NAC = 2 PAIR NAC CONDUCTORS
2-IDC = 2 PAIR IDCs CONDUCTORS